

**Engineering, Procurement and Construction Services in
Oil, Gas, Petrochemical & Wastewater Industries**



About us

KIA Process Design Engineers was established on 2012 in order to perform EPC projects in Oil, Gas, Petrochemical, Steel, Chemical, Food, Water & Wastewater Industries. *KIA Process Design Engineers* obtained valuable experiences during many projects and it is ready for implementation various services such as Basic & Detail Engineering, Installation, Start-up, Consulting, Inspection, Commissioning, Maintenance and so on, by it's academic & industrial expert personnel.



Scope of Work

Services

- Feasibility Study
- Basic Design
- Detail Design
- Equipment Supply
- Construction
- Supervision and Management
- Commissioning & Start-up
- Maintenance Service

Industries

- Oil & Gas Plant
- Petrochemical Plant
- Chemical Plant
- Steel Industries
- Water & Wastewater Plant
- Off-Site & Utility Plant

Design & Engineering

This company has expert engineers in difference levels (Junior, Senior and Manager) and disciplines. All activities in this department are implemented based on international codes and standards.

The main disciplines in this department are:

- Process
- Mechanical
- Electrical
- Instrumentation
- Civil
- Architectural
- Safety
- Piping
- Project Planning



Commercial



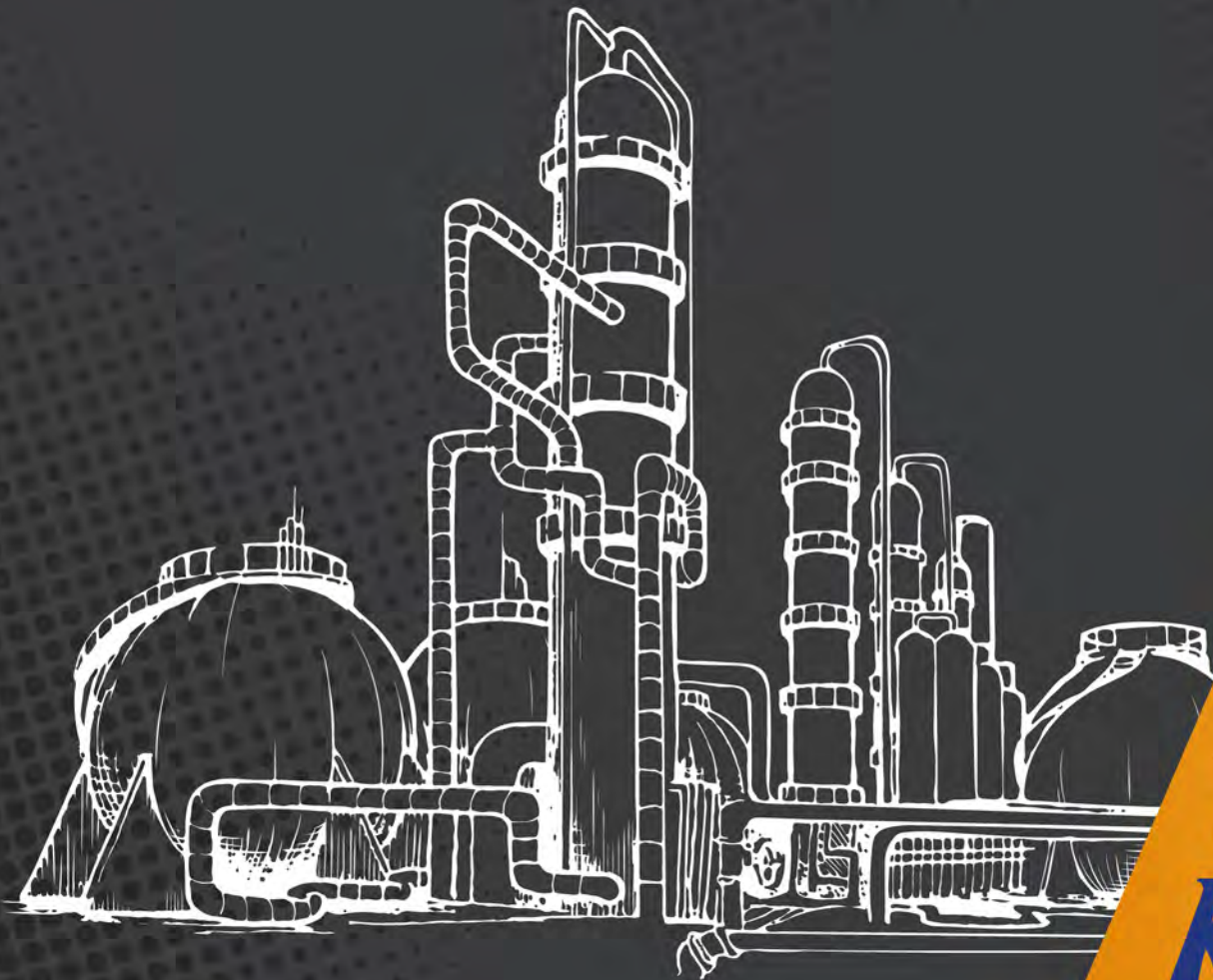
Commercial team beside our engineers make a good potential to provide and supply industrial equipment (such as: Electrical, Mechanical, Instruments and Piping Element) from valid manufacturers.



Construction & Erection

KIA Process Design Engineers have a good ability to construct and fabricate fixed mechanical equipment such as separation column, heat exchanger, pressure vessel etc. due to ownership of equipped construction workshop. Also, this company has a good experience for installation and erection in

- Installation of Fixed Mechanical Equipment and Relevant Piping Erection
- Test and Commissioning of Rotary Equipment
- Steel Structure Site Works
- Site Construction of Atmospheric Storage and Spherical Tanks



Engineering and Supervision Experience

Detail Engineering and Procurement Engineering of Poly Propylene Production Plant -Seraj Gostaran Rejal Co.

Features:

- 360,000 Ton/y Production Capacity Based on ABT Technology
- Production of HOMO, RACO, HECO and TER Polymer Grades



Engineering and Supervision Experience

PP & PDH License Endorsement for Hirsia Polymer Sahand Co.

Features:

- 200,000 Ton/y Production Capacity Polymer Grade Propylene
- 200,000 Ton/y Production Capacity of Poly Propylene (HOMO & RACO Grades)



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Engineering and Supervision Experience

Feasibility Study & FEED Package Preparation of Fuel Oil Refinery for Ronika Tejarat CO.

Features:

- Capacity of 1000 T/day
- Market Study & Futurology for Products
- Specify the Proper Location & Capacity of Plant



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Engineering and Supervision Experience

Detail Design of Single Containment LIN & LOX Double Wall Storage Tanks for Siraf Energy Petrochemical CO.

Features:

- Capacity of 400 m³ for Nitrogen & Oxygen.
- According to API 620 With -190° C Design Temperature.



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Engineering and Supervision Experience

Detail Engineering, Commissioning and Startup of Catalyst Production Plant for Behin Polymer Aryaee Co. (Regal Industrial Holding)

Features:

- Capacity of 4 Ton for Production of Zigler-Natta (Catalyst to Produce Polypropylene)



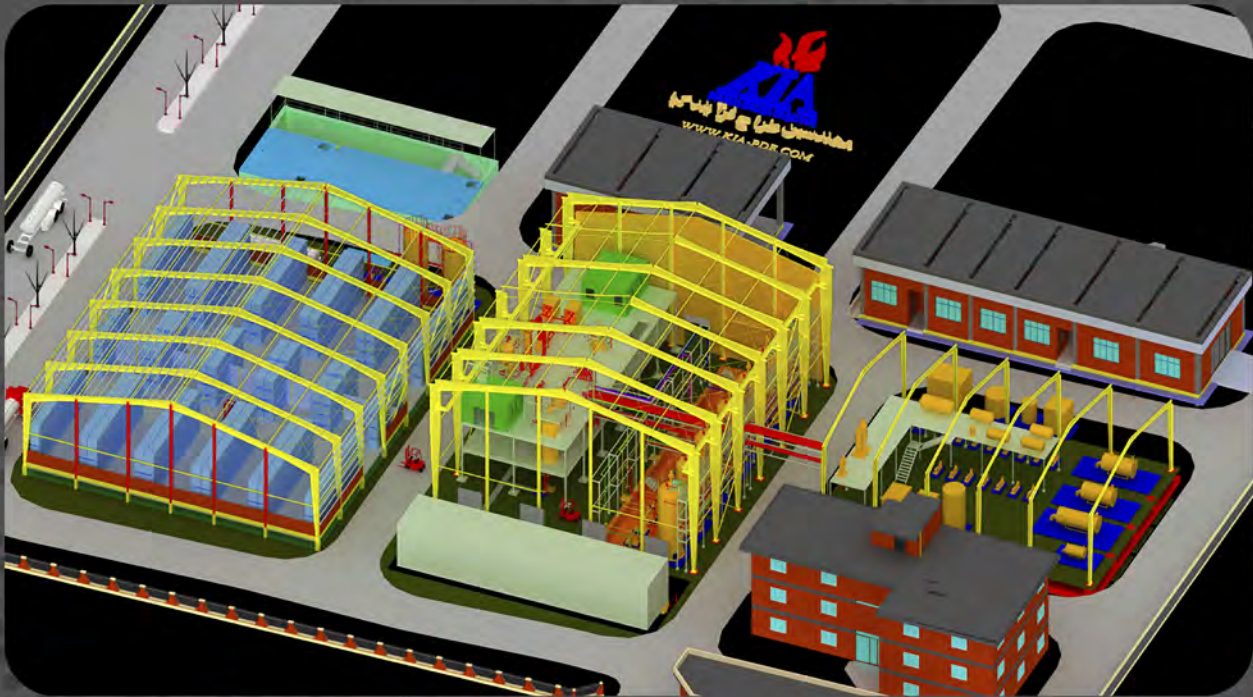
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Engineering and Supervision Experience

Basic & Detail Engineering of Polyol Production Plant for Baspar Chemi Sepidan Co.
(Entekhab Industrial Group)

Features:

- Capacity of 10 Ton to Produce Polyether Polyol, Polyester Polyol and MDI Pre-Polymer

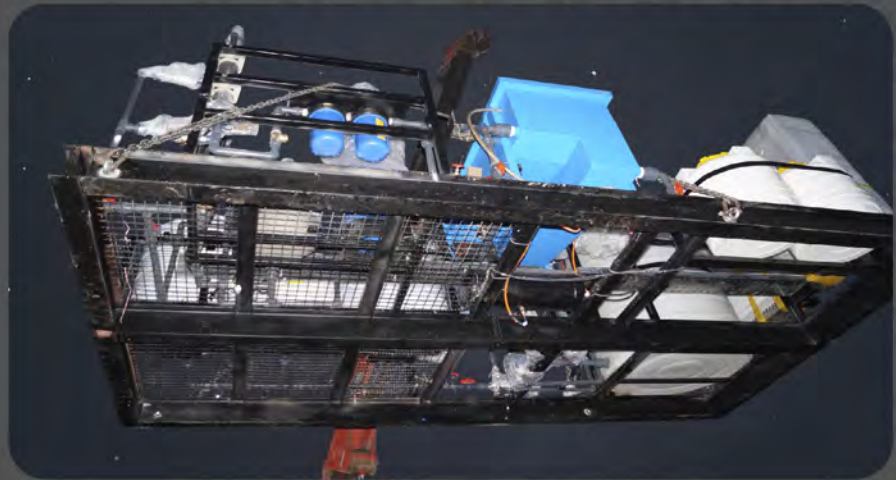


Engineering and Construction Experience

Design and Construction of Wastewater Treatment Pilot Plant for Karun Petrochemical Co.

Features:

- Based on Advance Oxidation Methods
- High TDS and COD Contaminations

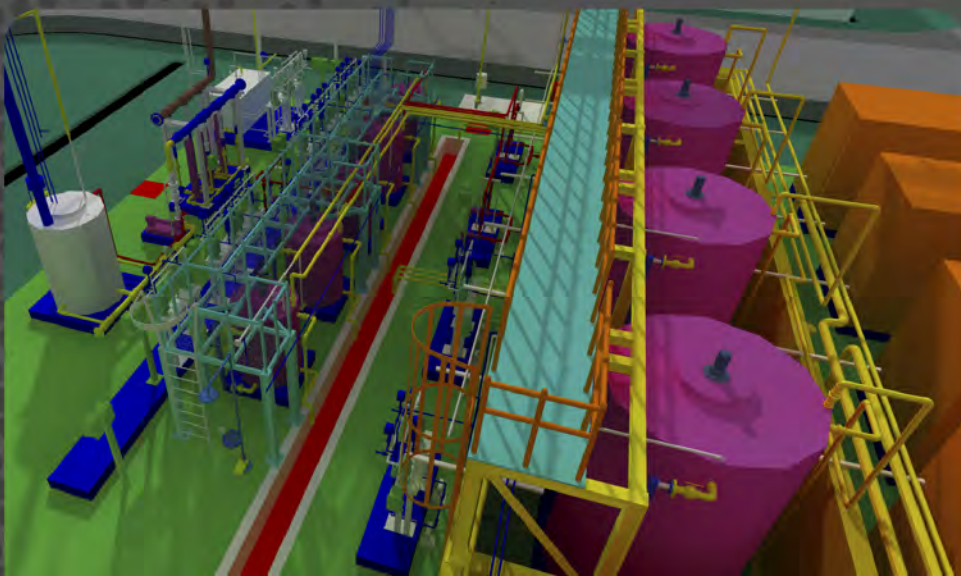
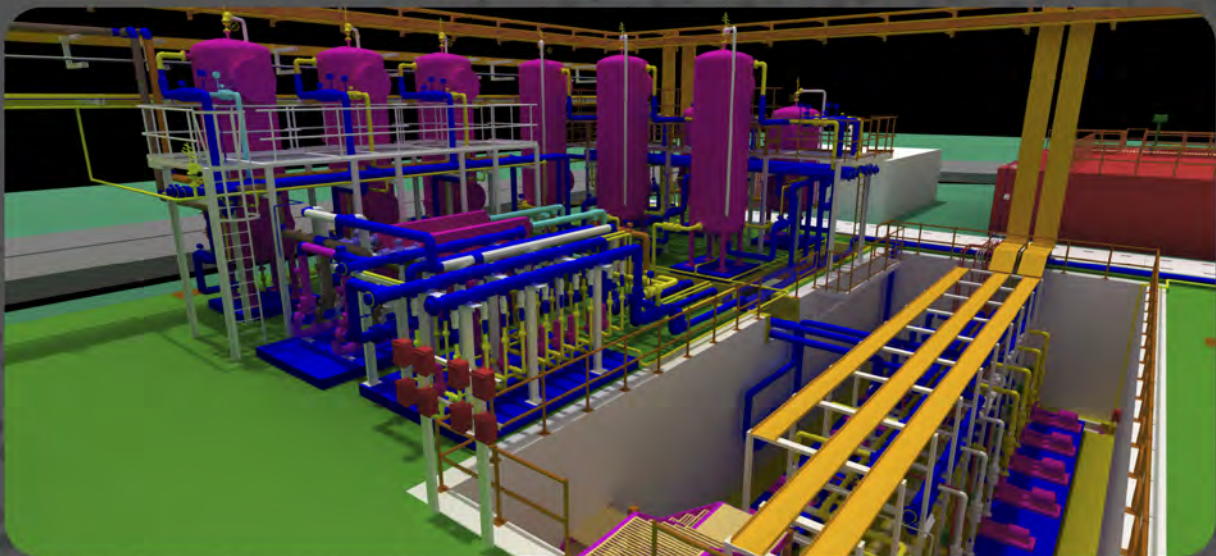


Engineering and Supervision Experience

Basic & Detail Design, Procurement Engineering and Supervision of Wastewater Treatment Unit for Karun Petrochemical Co.

Features:

- 60 m³/h Capacity for Combination of Sanitary, Industrial and Surface Water Treatment
- Produce Industrial Water from Wastewater



Engineering and Construction Experience

Detail Design, Procurement Engineering and Supervision on Electrical and Instrumentation of Industrial Wastewater Treatment Plant for Kashan Kavir Steel Co.

Features:

- Based on MBR Treatment Method
- Online Analyzers Configuration



Engineering and Supervision Experience

Detail Design Compound Factory for Paydar Bonyan Matin. (Entekhab Industrial Group)

Features:

- Capacity of 60,000 Ton/y Compound Production
- 12 Extrusion Trains

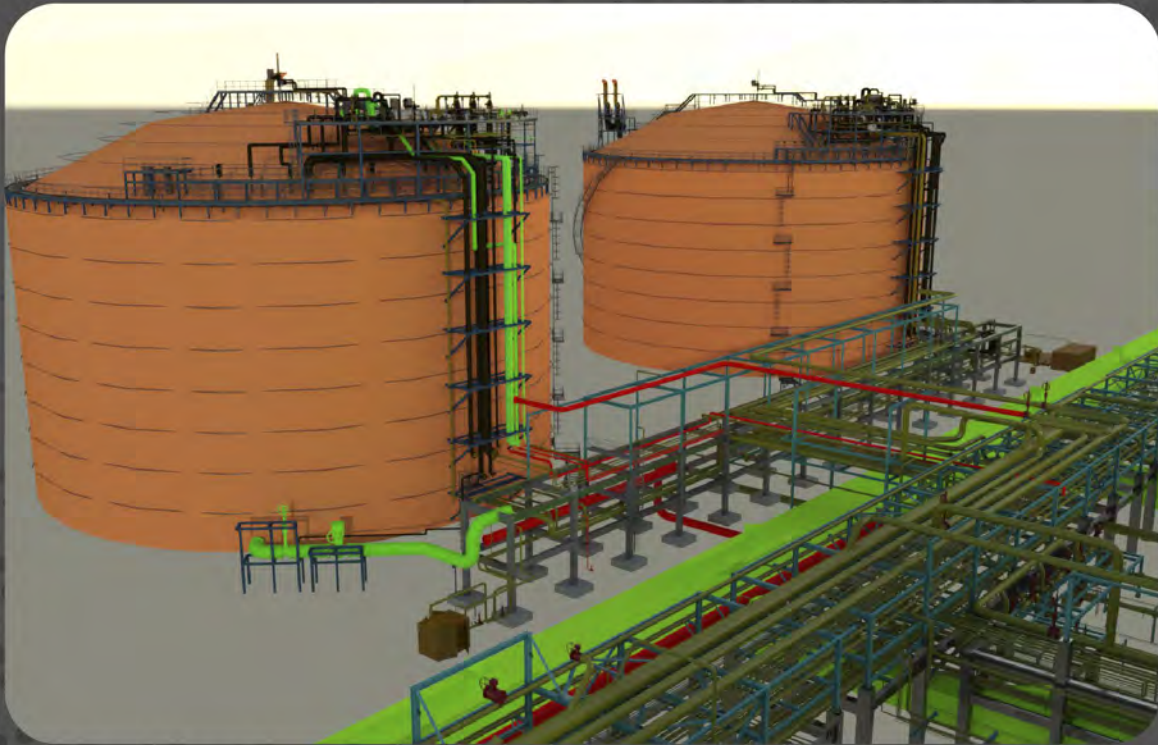


Engineering and Supervision Experience

Detail Engineering of Cryogenic Double Wall Tank Farm for Kangan Petropalayesh Co.

Features:

- Storage Tanks for Propane and Butane
- Equipped With Boil Off Gas Cycle



Engineering and Supervision Experience

Design, Configuration and Programming the Distributed Control System for Behin Polymer Aryaee Co. (Regal Industrial Holding)

Features:

- Over 1,000 I/O Signal
- Siemens S7-400 Programed by PCS7 V9-SP2



Engineering and Supervision Experience

Trouble Shooting and Revamping Feasibility Study of Staple Unit for
Tonggouyan Petrochemical Co.

Features:

- 66,000 Ton/y POY Fiber



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Engineering and Supervision Experience

Basic & Detail Engineering and Supervision of Mazut Refinery for UNKA Sun Co.

Features:

- 1,000 Ton/day Plant Capacity
- Vacuum Distillation, Asphalt Oxidation, Utility, Tank farm and unloading units Equipped With Boil Off Gas Cycle



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Engineering and Supervision Experience

Basic & Detail Engineering of Solvent Recovery Unit for Behin Polymer Aryaee Co. (Regal Industrial Holding)

Features:

- 20 Ton/day Plant Capacity



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Engineering and Supervision Experience

Re-Design and Optimization of High-Pressure Steam Condensate Collection System for Pardis Petrochemical Co.

Features:

- Hammering Trouble Shooting



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Construction and Commissioning Experience

Development Plan of XSBR for Zarif Petrochemical Co.

Features:

- 36,000 Ton/y Plant Capacity
- Over 1,000 I/O Signal With Siemens S7-400H
- 10,000 Dia-Inch Piping Erection
- Fixed Equipment Construction and Rotary Equipment Installation



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Engineering and Construction Experience

Design and Construction of Fixed Equipment for Industrial Wastewater Treatment Unit in Mobarakeh Steel Co.

Features:

- Static mixers, V-Nutch and 3 way gates



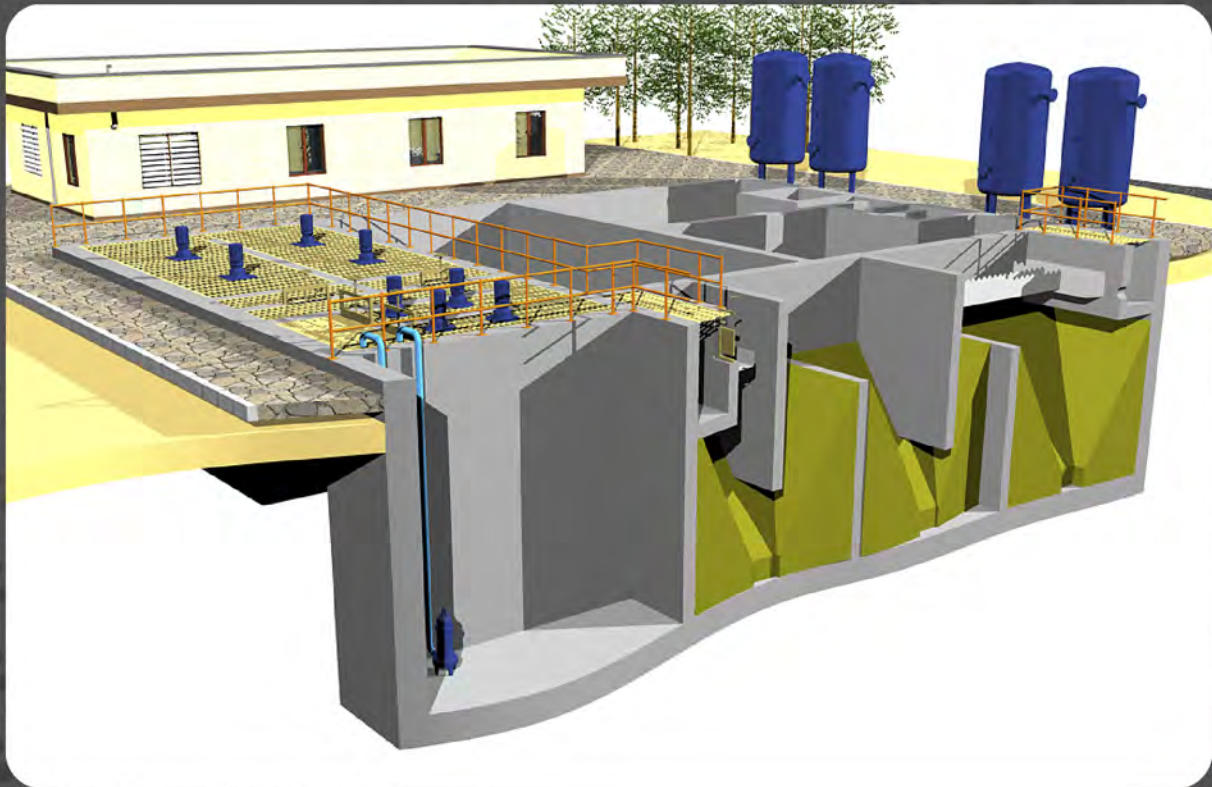
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Engineering and Supervision Experience

Detail Design, Procurement and Supervision of Wastewater Treatment for Mandegar Textile Co.

Features:

- High COD, Hydrocarbon and High TSS Contaminations



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Engineering and Supervision Experience

Detail Design of F&G, Extinguishing and Telemetric System for Water Station in Lordegan Petrochemical Co.

Features:

- 5km Piping Length From Station to Petrochemical Plant
- Hydrocracking License Development for Isfahan University of Technology



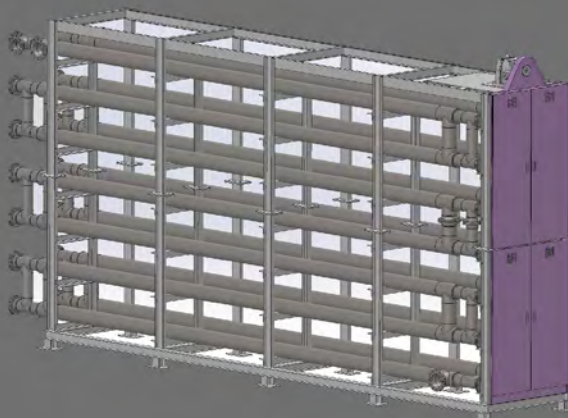
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Engineering and Construction Experience

Design and Construction of Oil Scrapped Heat Exchanger for Zalpars Co.

Features:

- 70 Ton/day Unit Capacity
- 14 Rotary Scrappers With 12m Length
- SN 150 to SN 500 Based Oil Production



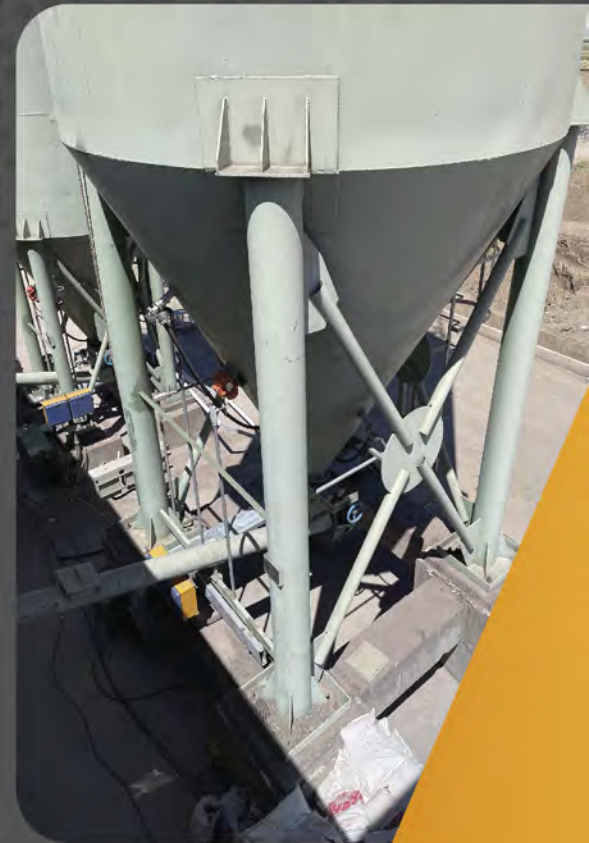
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Engineering and Construction Experience

Design and Construction of Fixed and Rotary Equipment for Industrial Wastewater Treatment Unit in Sabzevar Steel Co.

Features:

- Rapid & Slow Agitators and 3 Way Gates



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Engineering and Construction Experience

Design and Construction of Fixed Equipment for Industrial Wastewater Treatment Unit in Sefid dasht Steel Co.

Features:

- Sand Filters, Carbon Filters and Static Mixers With Capacity of 140 m³/h



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Engineering and Supervision Experience

Detail Design of Fire and Gas Detection System for Zalpars Co.



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Engineering and Supervision Experience

Detail Design of Cooling Water Supply Pipeline for Casting Unit in Mobarakeh Steel Co.

Features:

- 20 inch Pipeline With 2 km Length



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Engineering and Supervision Experience

Detail Design, Procurement and Supervision of Wastewater Treatment for Ardestan Steel Co.

Features:

- 690 m³/day to Produce Industrial Water



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Engineering and Supervision Experience

Detail Design and Supervision of Super Phosphate Fertilizer for Rafsanjan Industrial Complex

Features:

- 150,000 Ton/y Plant Capacity



KIA Process Design Engineers

Contact us

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